

...FEBRUARY 2013 REGIONAL CLIMATE SUMMARY...

SUMMARY FOR THE SAN FRANCISCO BAY AREA AND MONTEREY BAY AREA...

...SECOND CONSECUTIVE DRY MONTH RESULTS IN RECORD DRY JANUARY-FEBRUARY...

FEBRUARY 2013 WAS MUCH LIKE JANUARY...VERY DRY AND WITH SEVERAL COOL NIGHTS. THERE WERE ONLY TWO PRECIPITATION EVENTS DURING THE MONTH...AND BOTH PRODUCED ONLY LIGHT AMOUNTS OF RAINFALL. BECAUSE THIS WAS THE SECOND CONSECUTIVE MONTH OF MUCH BELOW NORMAL RAINFALL ...JANUARY-FEBRUARY COMBINED RAIN TOTALS WERE THE LOWEST ON RECORD FOR THE MAJORITY OF CLIMATE STATIONS ACROSS THE REGION. TWENTY-TWO CLIMATE STATIONS EXPERIENCED THEIR DRIEST JANUARY-FEBRUARY ON RECORD AND THOSE STATIONS ARE LISTED BELOW. IN MOST CASES...THE PREVIOUS RECORD DRY JANUARY-FEBRUARY OCCURRED IN 1976.

LOCATION	JAN-FEB TOTAL	PREVIOUS RECORD/YEAR	YEARS OF RECORD
NEWARK	0.69	1.17/1976	70
REDWOOD CITY	0.80	1.06/1976	93
OAKLAND AIRPORT	0.81	1.23/1976	49
MARTINEZ	0.83	1.57/1976	85
SAN FRANCISCO AP	0.87	1.16/1976	68
OAKLAND	0.88	1.41/1976	41
LOS GATOS	0.91	1.47/1976	119
GILROY	1.01	1.19/1976	63
PETALUMA	1.04	1.24/1920	97
SAN JOSE	1.06	1.14/1920	119
HALF MOON BAY	1.09	1.52/1976	73
NAPA	1.09	1.10/1976	118
SANTA CRUZ	1.21	2.73/1984	120
MOUNT DIABLO JNCTN	1.25	1.37/1976	61
WATSONVILLE	1.25	1.31/1976	99
KENTFIELD	1.41	2.44/1976	111
MONTEREY	1.51	1.70/1971	78
FORT ROSS	1.68	2.17/1920	114
ANGWIN	1.76	2.13/1976	69
BEN LOMOND	1.76	1.87/1976	77
CALISTOGA	1.85	1.97/1976	85
OCCIDENTAL	1.92	4.35/1976	70

IN ADDITION...TWO-MONTH RAIN TOTALS FOR JANUARY-FEBRUARY AT SEVERAL OTHER CLIMATE STATIONS RANKED IN THE TOP TEN DRIEST. THOSE ARE LISTED BELOW. DOWNTOWN SAN FRANCISCO EXPERIENCED ITS THIRD DRIEST JANUARY-FEBRUARY ON RECORD. SAN FRANCISCO'S RAINFALL CLIMATE RECORD DATES BACK TO 1850.

LOCATION	JAN-FEB TOTAL	RANK	DRIEST JAN-FEB/ AMOUNT	YEARS OF RECORD
BERKELEY	1.22	2ND DRIEST	1976/1.16	111
RICHMOND	1.24	2ND DRIEST	1976/1.19	63

MOUNT HAMILTON	1.78	2ND DRIEST	1991/1.62	64
PINNACLES NP	1.32	3RD DRIEST	1953/0.58	77
SAN FRANCISCO	1.34	3RD DRIEST	1852/0.72	164
SALINAS	1.55	5TH DRIEST	1971/0.55	55
KING CITY	0.89	6TH DRIEST	1985/0.36	103
LIVERMORE	1.54	6TH DRIEST	1920/0.78	110
SALINAS AIRPORT	1.60	10TH DRIEST	2002/0.47	82

THE FIRST PRECIPITATION EVENT IN FEBRUARY OCCURRED ON THE 7TH AND 8TH AS A WEAK WEATHER SYSTEM MOVED GRADUALLY FROM NORTHWEST TO SOUTHEAST ACROSS CALIFORNIA. THIS SYSTEM PRODUCE LIGHT AMOUNTS OF RAIN WITH TOTALS OF A QUARTER INCH OR LESS IN MOST LOCATIONS. A FEW LOCATIONS IN MONTEREY COUNTY...SUCH AS BIG SUR AND CARMEL VALLEY...PICKED UP NEARLY A HALF INCH.

THE SECOND PRECIPITATION EVENT OCCURRED ON TUESDAY THE 19TH WHEN A COLD WEATHER SYSTEM ORIGINATING IN THE GULF OF ALASKA SWEEPED FROM NORTH TO SOUTH ACROSS THE REGION. THIS SYSTEM WAS STRONGER THAN THE ONE EARLIER IN THE MONTH AND PRODUCED BRIEF HEAVY SHOWERS WITH SMALL HAIL. THERE WERE ALSO ISOLATED THUNDERSTORMS DURING THE AFTERNOON AND EVENING HOURS. BUT THIS SYSTEM DID NOT CONTAIN A GREAT DEAL OF MOISTURE AND MOVED THROUGH RATHER QUICKLY. THUS...PRECIPITATION TOTALS WERE GENERALLY ONLY IN THE 0.25 TO 0.50 INCH RANGE. THE MOST DISTINGUISHING CHARACTERISTIC OF THIS STORM WAS ITS LOW SNOW LEVELS. WINTER WEATHER ADVISORIES WERE IN EFFECT FOR ELEVATIONS ABOVE 2000 FEET WHERE SNOW ACCUMULATION WAS COMMON. ISOLATED SNOW ACCUMULATION OCCURRED AS LOW AS 1500 FEET AND A RAIN/SNOW MIX WAS REPORTED AS LOW AS 800 FEET. LICK OBSERVATORY ATOP MOUNT HAMILTON PICKED UP 3.5 INCHES OF SNOW ON THE 19TH.

PRECIPITATION TOTALS FOR THE MONTH OF FEBRUARY WERE LESS THAN AN INCH AT ALL CLIMATE STATIONS EXCEPT ONE (CARMEL VALLEY HAD A MONTHLY TOTAL OF 1.02 INCHES). CLIMATE STATIONS NEAR MONTEREY FARED THE BEST OF ANY IN THE REGION...BUT STILL ONLY MANAGED TO PICK UP ABOUT 15 TO 25 PERCENT OF NORMAL. ALL OTHER CLIMATE STATIONS...INCLUDING ALL SAN FRANCISCO BAY AREA LOCATIONS...ACCUMULATED LESS THAN 20 PERCENT OF NORMAL FEBRUARY RAINFALL AND IN MANY CASES LESS THAN 10 PERCENT. THE NORTH BAY FARED THE WORST...ACCUMULATING A SCANT 4 TO 8 PERCENT OF NORMAL. EVEN THOUGH RAIN TOTALS WERE VERY LOW FOR THE MONTH...NO CLIMATE LOCATION WITH A PERIOD OF RECORD OF AT LEAST 40 YEARS EXPERIENCED THEIR DRIEST FEBRUARY ON RECORD. HOWEVER...FEBRUARY 2013 WAS AMONG THE TOP TEN DRIEST FEBRUARIES AT NEARLY EVERY CLIMATE STATION. DETAILED FEBRUARY PRECIPITATION DATA ARE LISTED LATER IN THIS SUMMARY.

AS OF FEBRUARY 28...SEASON-TO-DATE PRECIPITATION TOTALS (JULY 1-FEBRUARY 28) RANGED FROM 70 TO 90 PERCENT OF NORMAL (PON). THESE SEASONAL TOTALS LOOK RELATIVELY GOOD CONSIDERING THE RECORD DRY TWO-MONTH PERIOD THAT HAS JUST PASSED. THE VERY DRY JANUARY AND FEBRUARY WAS LARGELY OFFSET BY A WET NOVEMBER AND DECEMBER. EVEN SO...THE 70-90 PON VALUES AT THE END OF FEBRUARY ARE A FAR CRY FROM THE 140-160 PON VALUES AT THE END OF DECEMBER.

FEBRUARY'S AVERAGE TEMPERATURES WERE COOLER THAN NORMAL...MAINLY BECAUSE OF SEVERAL CLEAR AND COOL NIGHTS. AVERAGE HIGH

TEMPERATURES FOR THE MONTH WERE MOSTLY NEAR NORMAL...EXCEPT SLIGHTLY ABOVE NORMAL IN THE NORTH BAY AND SLIGHTLY BELOW NORMAL IN MONTEREY COUNTY. AVERAGE LOW TEMPERATURES WERE BELOW NORMAL IN ALL LOCATIONS EXCEPT IN THE HILLS WHERE THEY WERE CLOSE TO NORMAL. AVERAGE LOWS FOR INLAND VALLEYS WERE ABOUT FIVE DEGREES BELOW NORMAL WHILE COASTAL LOW TEMPS WERE JUST A COUPLE OF DEGREES COOLER THAN NORMAL.

THE ONLY TIME TEMPERATURES REACHED RECORD TERRITORY IN FEBRUARY WAS DURING A THREE-DAY WARM SPELL IN THE MIDDLE OF THE MONTH. A STRONG RIDGE OF HIGH PRESSURE ALOFT AND LIGHT OFFSHORE FLOW PUSHED DAYTIME TEMPERATURES INTO THE 70S AND LOWER 80S. FOUR DAILY HIGH TEMPERATURE RECORDS WERE SET FROM THE 14TH THROUGH THE 16TH.

...FEBRUARY REGIONAL TEMPERATURE SUMMARY...

LOCATION	AVG HIGH	NORMAL HIGH	DEPARTURE FROM NORMAL		AVG LOW	NORMAL LOW	DEPARTURE FROM NORMAL	
NORTH BAY...								
ANGWIN	58.7	56.2	2.5		38.4	39.8	-1.4	
CALISTOGA	64.3	62.9	1.4		36.9	39.0	-2.1	
KENTFIELD	62.5	59.9	2.6		40.0	43.2	-3.2	
NAPA	65.1	62.2	2.9		36.1	41.9	-5.8	
NAPA AIRPORT	62.5	59.6	2.9		33.3	38.6	-5.3	
OCCIDENTAL	59.5	57.7	1.8		39.2	42.8	-3.6	
PETALUMA AIRPORT	62.4	61.6	0.8		33.9	40.9	-7.0	
SANTA ROSA AP	64.2	60.5	3.7		34.7	39.1	-4.4	
SAN FRANCISCO PENINSULA...								
HALF MOON BAY	57.7	60.0	-2.3		38.6	42.2	-3.6	
REDWOOD CITY	62.0	61.6	0.4		38.5	42.7	-4.2	
SAN FRANCISCO AIRPORT	58.5	59.5	-1.0		43.2	46.3	-3.1	
SAN FRANCISCO DOWNTOWN	59.0	60.2	-1.2		45.8	47.5	-1.7	
EAST BAY...								
BERKELEY	62.2	61.6	0.6		42.0	44.2	-2.2	
CONCORD	62.1	62.1	0.0		40.6	43.8	-3.2	
CONCORD AIRPORT	61.7	61.0	0.7		37.1	42.8	-5.7	
FREMONT	61.4	61.6	-0.2		39.2	44.3	-5.1	
HAYWARD AIRPORT	59.9	60.2	-0.3		40.8	45.3	-4.5	
LIVERMORE	61.8	61.0	0.8		36.1	41.5	-5.4	
LIVERMORE AP	61.5	60.4	1.1		35.6	40.4	-4.8	
MARTINEZ	61.9	60.9	1.0		37.0	38.1	-1.1	
MOUNT DIABLO JUNCTION	56.5	56.6	-0.1		40.1	40.3	-0.2	
NEWARK	59.2	61.1	-1.9		41.9	45.2	-3.3	
OAKLAND	63.0	61.6	1.4		44.2	46.8	-2.6	
OAKLAND AIRPORT	61.4	59.9	1.5		41.6	44.2	-2.6	
RICHMOND	62.4	60.9	1.5		42.6	45.5	-2.9	

SOUTH BAY AND SANTA CRUZ COUNTY...

BEN LOMOND	M	63.6	M	33.8	39.0	-5.2
GILROY	63.9	64.3	-0.4	36.5	40.9	-4.4
LOS GATOS	60.9	61.5	-0.6	36.5	41.0	-4.5
MOFFETT FIELD	61.1	61.8	-0.7	40.6	45.3	-4.7
MOUNT HAMILTON	49.1	48.1	1.0	36.8	37.5	-0.7
SAN JOSE	61.2	61.9	-0.7	38.9	44.7	-5.8
SANTA CRUZ	64.7	64.2	0.5	36.8	43.3	-6.5
WATSONVILLE	62.8	62.7	0.1	37.5	42.1	-4.6
WATSONVILLE AP	60.6	61.4	-0.8	37.2	42.3	-5.1

MONTEREY AND SAN BENITO COUNTIES...

CARMEL VALLEY	63.0	63.5	-0.5	36.0	40.8	-4.8
KING CITY	65.8	66.0	-0.2	34.4	40.2	-5.8
MONTEREY	58.8	59.6	-0.8	42.5	44.7	-2.2
MONTEREY AIRPORT	57.6	60.7	-3.1	40.4	44.7	-4.3
SALINAS	62.7	63.9	-1.2	37.5	41.5	-4.0
SALINAS AIRPORT	61.9	62.8	-0.9	38.7	43.2	-4.5

...FEBRUARY REGIONAL PRECIPITATION SUMMARY...

LOCATION	FEB TOTAL	NORMAL FEB PRECIP	PERCENT OF NORMAL	RANK	YEARS OF RECORD
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NORTH BAY...

ANGWIN	0.54	7.75	7	5TH DRIEST	69
CALISTOGA	0.58	7.79	7	8TH DRIEST	85
FORT ROSS	0.48	6.46	7	4TH DRIEST	114
KENTFIELD	0.42	9.12	5	4TH DRIEST	111
NAPA	0.35	5.35	7	6TH DRIEST	118
NAPA AIRPORT	0.28	3.79	7		
OCCIDENTAL	0.68	9.95	7	3RD DRIEST	70
PETALUMA AIRPORT	0.44	5.32	8	4TH DRIEST	97
SONOMA COUNTY AP	0.26	6.40	4		

SAN FRANCISCO PENINSULA...

HALF MOON BAY	0.70	5.19	13	8TH DRIEST	73
REDWOOD CITY	0.50	3.96	13	9TH DRIEST	93
SAN FRANCISCO AIRPORT	0.67	4.06	17	9TH DRIEST	68
SAN FRANCISCO DOWNTOWN	0.85	4.46	19	22ND DRIEST	164

EAST BAY...

BERKELEY	0.63	5.21	12	9TH DRIEST	111
CONCORD	0.37	3.70	10		
CONCORD AIRPORT	0.32	3.34	10		
FREMONT	0.39	3.17	12		
HAYWARD AIRPORT	0.48	3.47	14		

LIVERMORE	0.47	2.88	16	12TH DRIEST	110
LIVERMORE AIRPORT	0.41	3.03	14		
MARTINEZ	0.30	3.91	8	6TH DRIEST	85
MOUNT DIABLO					
JUNCTION	0.49	4.62	11	8TH DRIEST	61
NEWARK	0.42	2.92	14	7TH DRIEST	70
OAKLAND	0.49	4.50	11	6TH DRIEST	41
OAKLAND AIRPORT	0.52	3.95	13	5TH DRIEST	49
RICHMOND	0.60	4.80	13	8TH DRIEST	63

SOUTH BAY AND SANTA CRUZ COUNTY...

BEN LOMOND	0.53	9.90	5	4TH DRIEST	77
GILROY	0.37	4.13	9	4TH DRIEST	63
LOS GATOS	0.25	4.87	5	6TH DRIEST	119
MOFFETT FIELD	0.42	3.07	14		
MOUNT HAMILTON	0.63	4.46	14	6TH DRIEST	64
SAN JOSE	0.37	3.11	12	10TH DRIEST	119
SANTA CRUZ	0.31	6.24	5	5TH DRIEST	120
WATSONVILLE	0.53	4.68	11	11TH DRIEST	99
WATSONVILLE AP	0.47	4.24	11		

MONTEREY AND SAN BENITO COUNTIES...

CARMEL VALLEY	1.02	3.89	26		
KING CITY	0.18	2.51	7	9TH DRIEST	103
MONTEREY	0.64	3.92	16	9TH DRIEST	78
MONTEREY AIRPORT	0.77	3.07	25		
PINNACLES NP	0.51	3.38	15	9TH DRIEST	77
SALINAS	0.60	2.98	20	9TH DRIEST	55
SALINAS AIRPORT	0.56	2.49	22	13TH DRIEST	82

...DAILY TEMPERATURE RECORDS FOR FEBRUARY 2013...

		RECORD MAXIMUM TEMP	PREVIOUS RECORD
2/14	OAKLAND AIRPORT	72	70 IN 1977
2/15	SALINAS	81	81 IN 1977
2/15	SALINAS AIRPORT	80	79 IN 1977
2/16	SALINAS AIRPORT	77	74 IN 1977

...MONTHLY RANKS FOR DOWNTOWN SAN FRANCISCO...

AVERAGE HIGH TEMPERATURE....59.0....61ST COOLEST OUT OF 139 YEARS  
 AVERAGE LOW TEMPERATURE.....45.8....31ST COOLEST OUT OF 139 YEARS  
 PRECIPITATION..... 0.85 IN....22ND DRIEST OUT OF 164 YEARS

...MONTHLY EXTREMES FOR SELECT LOCATIONS...

LOCATION	WARMEST DAY(S)	COOLEST DAY(S)	WETTEST DAY(S)
SANTA ROSA AIRPORT	2/15 2/16 2/26 72 DEG	2/10 2/20 28 DEG	2/19 0.17 IN
SAN FRANCISCO	2/15 71 DEG	2/20 41 DEG	2/19 0.45 IN
LIVERMORE AIRPORT	2/27 70 DEG	2/10 29 DEG	2/19 0.36 IN
SAN JOSE	2/14 73 DEG	2/09 31 DEG	2/19 0.25 IN
SALINAS AIRPORT	2/15 80 DEG	2/09 2/26 33 DEG	2/19 0.36 IN

NOTE: THIS CLIMATOLOGICAL DATA IS PRELIMINARY. FOR OFFICIAL  
 CERTIFIED CLIMATOLOGICAL DATA PLEASE CONTACT THE NATIONAL  
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